IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Rumo SATAKE	"Express Mail" Mailing Label No. EL 845499455
Serial No.:	Date of Deposit November 9, 2001
Filed: Herewith	Thereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Orfice to Addressee" service under 37 CF 3 1.10 on the date indicated above and is a Idressed to: Commissioner for Patients, I Vashington, D.C. 20231 Name, Arabica (Hills)
For: Liquid Crystal Display Device	
Examiner:	
Art Unit:	Signative <u>Algorithms</u>
Commissioner for Patents	

PRELIMINARY AMENDMENT A

Prior to examination, please enter the following amendment in the above-identified application:

IN THE CLAIMS:

Washington D.C. 20231

Please amend the claims as follows:

11 (Amended). A liquid crystal display device according to claim 1, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

12 (Amended). A liquid crystal display device according to claim 1, wherein the dielectric is an oxide containing titanium or tantalum.

13 (Amended). A liquid crystal display device according to claim 1, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a

video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

Please add the following new claims:

14 (New). A liquid crystal display device according to claim 2, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

15 (New). A liquid crystal display device according to claim 3, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

16 (New). A liquid crystal display device according to claim 4, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

17 (New). A liquid crystal display device according to claim 5, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

18 (New). A liquid crystal display device according to claim 6, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

18 (New). A liquid crystal display device according to claim 7, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode. wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

20 (New). A liquid crystal display device according to claim 8, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

- 21 (New). A liquid crystal display device according to claim 2, wherein the dielectric is an oxide containing titanium or tantalum.
- 22 (New). A liquid crystal display device according to claim 3, wherein the dielectric is an oxide containing titanium or tantalum.
- 23 (New). A liquid crystal display device according to claim 4, wherein the dielectric is an oxide containing titanium or tantalum.
- 24 (New). A liquid crystal display device according to claim 5, wherein the dielectric is an oxide containing titanium or tantalum.
- 25 (New). A liquid crystal display device according to claim 6, wherein the dielectric is an oxide containing titanium or tantalum.
- 26 (New). A liquid crystal display device according to claim 7, wherein the dielectric is an oxide containing titanium or tantalum.
- 27 (New). A liquid crystal display device according to claim 8, wherein the dielectric is an oxide containing titanium or tantalum.

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28 (New). A liquid crystal display device according to claim 2, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

29 (New). A liquid crystal display device according to claim 3, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

30 (New). A liquid crystal display device according to claim 4, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

31 (New). A liquid crystal display device according to claim 5, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

32 (New). A liquid crystal display device according to claim 6, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

33 (New). A liquid crystal display device according to claim 7, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

34 (New). A liquid crystal display device according to claim 8, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

REMARKS

This amendment is being submitted to remove the improper dependency upon multi-dependent claims. It is believed that no new matter is being added. Accordingly, it is requested that this amendment be entered.

If any additional fee is due for this amendment, please charge our deposit account 50/1039.

Respectfully submitted,

Mark J. Murphy

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Marked-up copy of the claims as amended:

11 (Amended). A liquid crystal display device according to [any one of] claim[s] 1 [to 8], further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

12 (Amended). A liquid crystal display device according to [any one of] claim[s] 1 [to 8], wherein the dielectric is an oxide containing titanium or tantalum.

13 (Amended). A liquid crystal display device according to [any one of] claim[s] 1 [to 8], wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display[s], a car navigation system, a car stereo, a personal computer[s], and a portable information terminal.

Please add the following new claims:

14 (New). A liquid crystal display device according to claim 2, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode. wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

15 (New). A liquid crystal display device according to claim 3, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

16 (New). A liquid crystal display device according to claim 4, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

17 (New). A liquid crystal display device according to claim 5, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

18 (New). A liquid crystal display device according to claim 6, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

18 (New). A liquid crystal display device according to claim 7, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode,

wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

20 (New). A liquid crystal display device according to claim 8, further comprising an opposing electrode provided facing the pixel electrodes, and an oriented film formed on opposing electrode, wherein a gap is maintained between the dielectric and the oriented film formed on the opposing electrode.

- 21 (New). A liquid crystal display device according to claim 2, wherein the dielectric is an oxide containing titanium or tantalum.
- 22 (New). A liquid crystal display device according to claim 3, wherein the dielectric is an oxide containing titanium or tantalum.
- 23 (New). A liquid crystal display device according to claim 4, wherein the dielectric is an oxide containing titanium or tantalum.
- 24 (New). A liquid crystal display device according to claim 5, wherein the dielectric is an oxide containing titanium or tantalum.
- 25 (New). A liquid crystal display device according to claim 6, wherein the dielectric is an oxide containing titanium or tantalum.

26 (New). A liquid crystal display device according to claim 7, wherein the dielectric is an oxide containing titanium or tantalum.

27 (New). A liquid crystal display device according to claim 8, wherein the dielectric is an oxide containing titanium or tantalum.

28 (New). A liquid crystal display device according to claim 2, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

29 (New). A liquid crystal display device according to claim 3, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

30 (New). A liquid crystal display device according to claim 4, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

31 (New). A liquid crystal display device according to claim 5, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a

video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

32 (New). A liquid crystal display device according to claim 6, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

33 (New). A liquid crystal display device according to claim 7, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.

34 (New). A liquid crystal display device according to claim 8, wherein said liquid crystal display device is incorporated into an electronic equipment selected from the group consisting of a video camera, a digital camera, a projector, a head mounted display, a car navigation system, a car stereo, a personal computer, and a portable information terminal.